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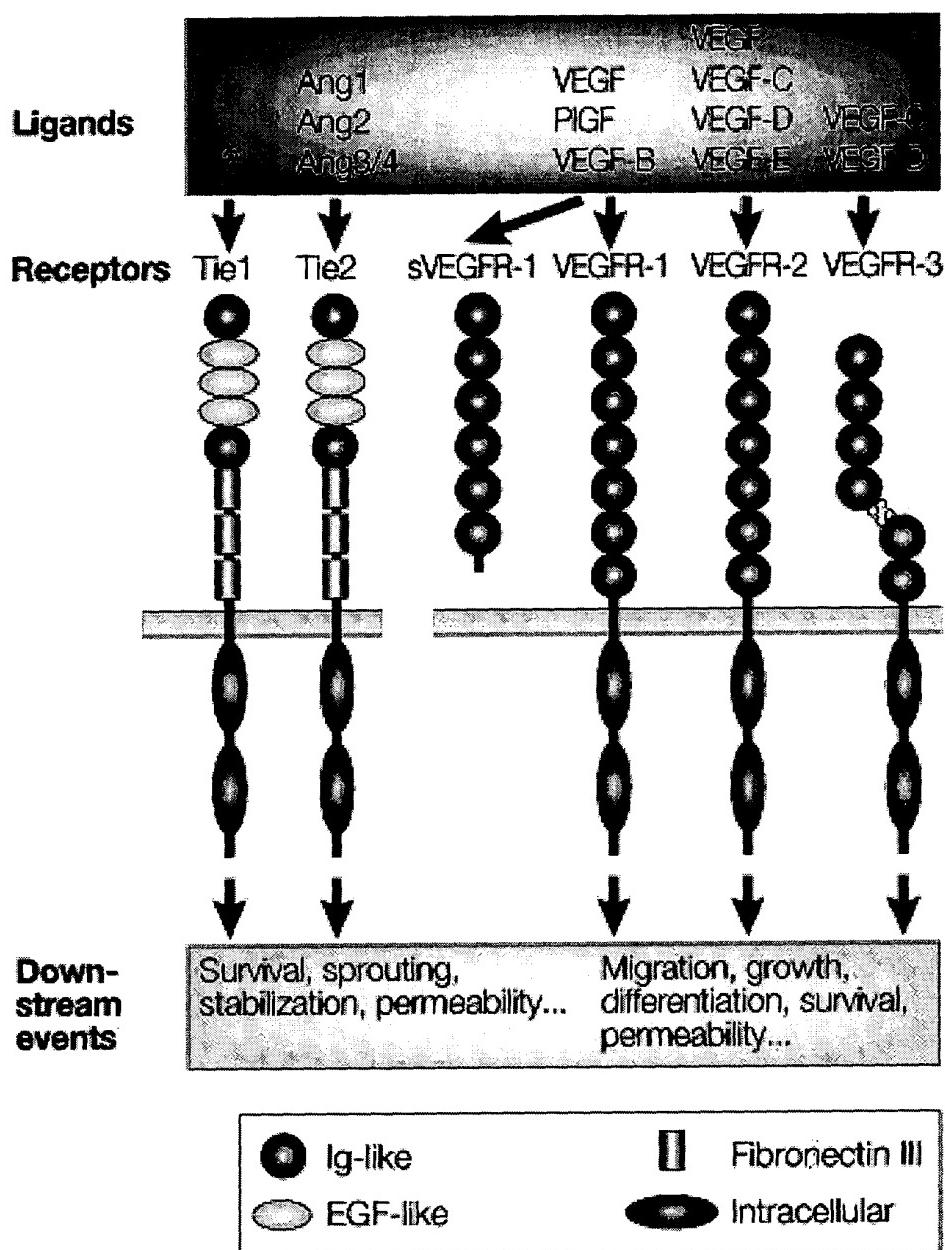


FIGURE 1

1 ACCCACGCGC AGCGGCCGGA GATGCAGCGG GGCGCCGCGC TGTGCCTGCG ACTGTGGCTC  
61 TGCCTGGGAC TCCTGGACGG CCTGGTGAAGT GACTACTCCA TGACCCCCCCC GACCTTGAAC  
121 ATCACGGAGG AGTCACACGT CATCGACACC GGTGACAGGCC TGTCCATCTC CTGCAGGGGA  
181 CAGCACCCCC TCGAGTGGC TTGGCCAGGA GCTCAGGAGG CGCCAGCCAC CGGAGACAAG  
241 GACAGCGAGG ACACGGGGGT GGTGCGAGAC TGGCAGGGCA CAGACGCCAG GCCCTACTGC  
301 AAGGTGTTGC TGCTGCACGA GGTACATGCC AACGACACAG GCAGCTACGT CTGCTACTAC  
361 AAGTACATCA AGGCACGCAT CGAGGGCACC ACGGCCGCCA GCTCCTACGT GTTCGTGAGA  
421 GACTTGAGC AGCCATTCA CAACAAGCCT GACACGCTCT TGGTCAACAG GAAGGACGCC  
481 ATGTGGGTGC CCTGTCTGGT GTCCATCCCC GGCCCTCAATG TCACGCTGCG CTCGCAAAGC  
541 TCGGTGCTGT GGCCAGACGG GCAGGAGGTG GTGTGGGATG ACCGGCGGGG CATGCTCGTG  
601 TCCACGCCAC TGCTGCACGA TGCCCTGTAC CTGCAGTGCAG AGACCACCTG GGGAGACCAAG  
661 GACTTCCTTT CCAACCCCTT CCTGGTGCAC ATCACAGGCA ACGAGCTCTA TGACATCCAG  
721 CTGTTGCCCA GGAAGTCGCT GGAGCTGCTG GTAGGGGAGA AGCTGGTCTT CAACTGCACC  
781 GTGTGGGCTG AGTTTAACTC AGGTGTCACC TTTGACTGGG ACTACCCAGG GAAGCAGGCA  
841 GAGCGGGGTA AGTGGGTGCC CGAGCGACGC TCCCAACAGA CCCACACAGA ACTCTCCAGC  
901 ATCCTGACCA TCCACAAACGT CAGCCAGCAC GACCTGGGCT CGTATGTGTG CAAGGCCAAC  
961 AACGGCATCC AGCGATTTCG GGAGAGCAC GAGGTATTG TGATGAAAAA TCCCTTCATC  
1021 AGCGTCGAGT GGCTCAAAGG ACCCATCCTG GAGGCCACGG CAGGAGACGA GCTGGTGAAG  
1081 CTGCCCGTGA AGCTGGCAGC GTACCCCCCG CCCGAGTTCC AGTGGTACAA GGATGAAAG  
1141 GCACTGTCCG GGCGCCACAG TCCACATGCC CTGGTGCCTCA AGGAGGTGAC AGAGGCCAGC  
1201 ACAGGCACCT ACACCCTCGC CCTGTGGAAC TCCGCTGCTG GCCTGAGGCG CAACATCAGC  
1261 CTGGAGCTGG TGGTGAATGT GCCCCCCAG ATACATGAGA AGGAGGCCTC CTCCCCCAGC  
1321 ATCTACTCGC GTCACAGCCG CCAGGCCCTC ACCTGCACGG CCTACGGGT GCCCCCTGCCT  
1381 CTCAGCATCC AGTGGCACTG GCGGCCCTGG ACACCCCTGCA AGATTTGCA CCAGCGTAGT  
1441 CTCCGGCGGC GGCAGCAGCA AGACCTCATG CCACAGTGCC GTGACTGGAG GGCAGGTGACC  
1501 ACGCAGGATG CCGTGAACCC CATCGAGAGC CTGGACACCT GGACCGAGTT TGTGGAGGGA  
1561 AAGAATAAGA CTGTGAGCAA GCTGGTGTAC CAGAATGCCA ACGTGTCTGC CATGTACAAG  
1621 TGTGTGGTCT CCAACAAAGGT GGGCCAGGAT GAGCGGCTCA TCTACTTCTA TGTGACCACC  
1681 ATCCCCGACG GCTTCACCAT CGAATCCAAG CCATCCGAGG AGCTACTAGA GGGCCAGCCG  
1741 GTGCTCCTGA GCTGCCAACG CGACAGCTAC AAGTACGAGC ATCTGCCTG GTACCGCCTC  
1801 AACCTGTCCA CGCTGCACGA TGCGCACGGG AACCCGCTTC TGCTCGACTG CAAGAACGTG  
1861 CATCTGTTCG CCACCCCTCT GGCGGCCAGC CTGGAGGAGG TGGCACCTGG GGCGGCCAC  
1921 GCCACGCTCA GCCTGAGTAT CCCCCCGCGTC GCGCCCGAGC ACGAGGGCCA CTATGTGTG  
1981 GAAAGTGAAG ACCGGCGCAG CCATGACAAG CACTGCCACA AGAAGTACCT GTCGGTGCAG  
2041 GCCCTGGAAG CCCCTCGGCT CACGCAGAAC TTGACCGACC TCCTGGTGA CGTGAGCGAC  
2101 TCGCTGGAGA TGCACTGCTT GGTGGCCCGA GCGCACGCC CCAGCATCGT GTGGTACAAA  
2161 GACGAGAGGC TGCTGGAGGA AAAGTCTGGA GTGCACTTGG CGGACTCCAA CCAGAACGCTG  
2221 AGCATCCAGC GCGTGCAGCA GGAGGATGCG GGACCGTATC TGTGCAGCGT GTGCAGACCC  
2281 AAGGGCTGCG TCAACTCCTC CGCCAGCGTG CGCGTGGAAAG GCTCCGAGGA TAAGGGCAGC  
2341 ATGGAGATCG TGATCCTTGT CGGTACCGGC GTCATCGCTG TCTTCTCTG GGTCTCCTC  
2401 CTCCTCATCT TCTGTAACAT GAGGAGGCCG GCCCACGCAG ACATCAAGAC GGGCTACCTG  
2461 TCCATCATCA TGGACCCGG GGAGGTGCCT CTGGAGGAGC AATGCAATA CCTGTCTAC  
2521 GATGCCAGCC AGTGGGAATT CCCCCGAGAG CGCTGCACC TGGGGAGAGT GCTCGCTAC  
2581 GGCGCCTTCG GGAAGGTGGT GGAAGCCTCC GCTTCCGGCA TCCACAAGGG CAGCAGCTGT  
2641 GACACCGTGG CCGTGAAGGAG GCTGAAAGAG GCGGCCACGG CCAGCGAGCA GCGCGCGCTG  
2701 ATGTCGGAGC TCAAGATCCT CATTACATC GCGAACACCAC TCAACGTGGT CAACCTCCTC  
2761 GGGCGTGCA CCAAGCCGCA GGGCCCCCTC ATGGTGTACG TGGAGTTCTG CAAGTACGGC  
2821 AACCTCTCCA ACTTCCTGCG CGCCAAGCGG GACGCCCTCA GCCCCCTGCC GGAGAACGCT  
2881 CCCGAGCAGC GCGGACGCTT CCGCGCCATG GTGGAGCTCG CCAGGCTGGA TCGGAGGCCG  
2941 CCGGGGAGCA GCGACAGGGT CCTCTTGCAG CGGTTCTCGA AGACCGAGGG CGGAGCGAGG  
3001 CGGGCTTCTC CAGACCAAGA AGCTGAGGAC CTGTGGCTGA GCCCCGTCAC CATGGAAGAT  
3061 CTTGTCTGCT ACAGCTTCCA GGTGGCCAGA GGGATGGAGT TCCTGGCTTC CCGAAAGTGC  
3121 ATCCACAGAG ACCTGGCTGC TCGGAACATT CTGCTGTGCG AAAGCGACGT GGTGAAGATC  
3181 TGTGACTTTG GCCTTGCCCG GGACATCTAC AAAGACCCCG ACTACGTCCG CAAGGGCAGT

3241	GCCCCGGCTGC	CCCTGAAGTG	GATGGCCCC	GAAAGCATCT	TCGACAAGGT	GTACACCACG
3301	CAGAGTGACG	TGTGGTCCTT	TGGGGTGCCT	CTCTGGGAGA	TCTTCTCTCT	GGGGGCCTCC
3361	CCGTACCCCTG	GGGTGCAGAT	CAATGAGGAG	TTCTGCCAGC	GCCTGAGAGA	CGGCACAAGG
3421	ATGAGGGCCC	CGGAGCTGGC	CACTCCGCC	ATACGCCACA	TCATGCTGAA	CTGCTGGTCC
3481	GGAGACCCCCA	AGGCGAGACC	TGCATTCTCG	GACCTGGTGG	AGATCCTGGG	GGACCTGCTC
3541	CAGGGCAGGG	GCCTGCAAGA	GGAAGAGGAG	GTCTGCATGG	CCCCGCGCAG	CTCTCAGAGC
3601	TCAGAACAGGG	GCAGCTTCTC	GCAGGGTGTCC	ACCATGGCCC	TACACATCGC	CCAGGCTGAC
3661	GCTGAGGACA	GCCCCGCCAAG	CCTGCAGCGC	CACAGCCTGG	CCGCCAGGTA	TTACAACCTGG
3721	GTGTCCCTTC	CCGGGTGCCT	GGCCAGAGGG	GCTGAGACCC	GTGGTTCTC	CAGGATGAAG
3781	ACATTTGAGG	AATTCCCCAT	GACCCCAACG	ACCTACAAAG	GCTCTGTGGA	CAACCAGACA
3841	GACAGTGGGA	TGGTGCTGGC	CTCGGAGGAG	TTTGAGCAGA	TAGAGAGCAG	GCATAGACAA
3901	GAAAGCGGGCT	TCAGCTGTAA	AGGACCTGGC	CAGAATGTGG	CTGTGACCAG	GGCACACCCCT
3961	GACTCCCAAG	GGAGGGCGCG	CGGGCCTGAG	CGGGGGGCC	GAGGAGGCCA	GGTGTCTTAC
4021	AACAGCGAGT	ATGGGGAGCT	GTCGGAGCCA	AGCGAGGAGG	ACCACTGCTC	CCCGTCTGCC
4081	CGCGTGAATT	TCTTCACAGA	CAACAGCTAC	TAA		

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1 MQRGAALCLR LWLCLGLLDG LVSGYSMTPP TLNITEESHV IDTGDLSIS CRGQHPLEWA  
61 WPGAQEAPAT GDKDSEDTGV VRDCEGTDAR PYCKVLLHE VHANDTGSYV CYYKYIKARI  
121 EGTAAASSYV FVRDFEQPFI NKPDTLLVNR KDAMWVPCLV SIPGLNVTLR SQSSVLWPDG  
181 QEVVWDDDRRG MLVSTPLLHD ALYLQCETTW GDQDFLSNPF LVHITGNELY DIQLLPRKSL  
241 ELLVGEKLVL NCTVWAEFNS GVTFDWDYPG KQAERGKWVP ERRSQQTHTE LSSIILTIHNV  
301 SQHDLGSYVC KANNGIQRFR ESTEVIVHEN PFISVEWLKG PILEATAGDE LVKLPVKLAA  
361 YPPPPEFQWYK DGKALSGRHS PHALVLKEVT EASTGTYTLA LWNSAAGLRR NISLELVNV  
421 PPQIHEKEAS SPSIYSRHSR QALTCTAYGV PLPLS1QWHW RPWTCPKMFA QRSLRRQQQ  
481 DLMPQCRDWR AVTTQDAVNP IESLDTWTEF VEGKNKTVSK LVIQANANVSA MYKCVVSNKV  
541 GQDERLIYFY VTTIPDGFTI ESKPSEEELLE GQPVLLSCQA DSYKYEHLRW YRLNLSTLHD  
601 AHGNPLLDC KNVHLFATPL AASLEEVAPG ARHATLSLSI PRVAPEHEGH YVCEVQDRRS  
661 HDKHCHKKYL SVQALEAPRL TQNLTDLLVN VSDSLEMQCL VAGAHAPSIV WYKDERLLEE  
721 KSGVDLADSN QKLSIQRVRE EDAGRYLCV CNAKGCVNSS ASVAVEGSED KGSMEIVILV  
781 GTGVIAVFW VLLLIFCNM RRPAHADIKT GYLSIIMDPG EVPLEEQCEY LSYDASQWEF  
841 PRERLHLGRV LGYGAFGKVV EASAFGIHKG SSCDTVAVKM LKEGATASEH RALMSELKIL  
901 IHIGNHNNVV NLLGACTKPQ GPLMVIVEFC KYGNLNSFLR AKRDAFSPCA EKSPEQRGRF  
961 RAMVELARLD RRRPGSSDRV LFARFSKTEG GARRASPDQE AEDLWLSPLT MEDLVCYSFQ  
1021 VARGMEFLAS RKCIHRDLAA RNILLSESDV VKICDFGLAR DIYKDPDYVR KGSARLPLKW  
1081 MAPESIFDKV YTTQSDVWSF GVLLWEIFS GASPYPGVQI NEEFCQRLRD GTRMRAPELA  
1141 TPAIRRIMLN CWSGDPKARP AFSELVEILG DLLQGRGLQE EEEVCMAPRS SQSSEEGSFS  
1201 QVSTMALHIA QADAEDSPPS LQRHSLAARY YNWVSFPGCL ARGAETRGSS RMKTFEFP  
1261 TPTTYKGSD NQTDGMVLA SEEFEQIESR HRQESGFSC GPGQNNAVTR AHPDSQGRRR  
1321 RPERGARGGQ VFYNSEYGEL SEPSEEDHCS PSARVTFFTD NSY

FIGURE 2B

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1 CGCGGGGTGT TCTGGTGTCC CCCGCCCGC CTCTCCAAAA AGCTACACCG ACGCGGACCG  
61 CGGCGGCGTC CTCCCTCGCC CTCGCTTCAC CTCGCGGGCT CGAATGCGG GGAGCTCGGA  
121 TGTCGGTTT CCTGTGAGGC TTTTACCTGA CACCCGCCGC CTTTCCCCGG CACTGGCTGG  
181 GAGGGCGCCC TGCAAAGTTG GGAACCGGGA GCCCGGACCG CGCTCCCGCC GCCTCCGGCT  
241 CGCCCAGGGG GGGTCGCCGG GAGGAGCCCG GGGGAGAGGG ACCAGGAGGG GCCCGCCGCC  
301 TCGCAGGGGC GCCCCGCCGC CCACCCCTGC CCCCGCCAGC GGACCGGTCC CCCACCCCCG  
361 GTCCTTCCAC CATGCACTTG CTGGGCTCT TCTCTGTGGC GTGTTCTCTG CTCGCCGCTG  
421 CGCTGCTCCC GGGTCCTCGC GAGGCGCCCG CCGCCGCCGC CGCCTTCGAG TCCGGACTCG  
481 ACCTCTCGGA CGCGGAGCCC GACGCGGGCG AGGCCACGGC TTATGCAAGC AAAGATCTGG  
541 AGGAGCAGTT ACGGTCTGTG TCCAGTGTAG ATGAACATCAT GACTGTACTC TACCCAGAAT  
601 ATTGGAAAAT GTACAAGTGT CAGCTAAGGA AAGGAGGCTG GCAACATAAC AGAGAACAGG  
661 CCAACCTCAA CTCAAGGACA GAAGAGACTA TAAAATTG TGCAAGCACAT TATAATACAG  
721 AGATCTTGAA AAGTATTGAT AATGAGTGGA GAAAGACTCA ATGCATGCCA CGGGAGGTGT  
781 GTATAGATGT GGGGAAGGAG TTTGGAGTCG CGACAAACAC CTTCTTTAAA CCTCCATGTG  
841 TGTCCGTCTA CAGATGTGGG GGTTGCTGCA ATAGTGAGGG GCTGCAGTGC ATGAACACCA  
901 GCACGAGCTA CCTCAGCAAG ACGTTATTG AAATTACAGT GCCTCTCT GCAGGCCCCA  
961 AACAGTAAC AATCAGTTT GCCAATCACA CTTCCTGCCG ATGCATGTCT AACTGGATG  
1021 TTTACAGACA AGTTCATATTCC ATTATTAGAC GTTCCCTGCC AGCAACACTA CCACAGTGT  
1081 AGGCAGCGAA CAAGACCTGC CCCACCAATT ACATGTGGAA TAATCACATC TGCAGATGCC  
1141 TGGCTCAGGA AGATTTATG TTTTCCTCGG ATGCTGGAGA TGACTCAACA GATGGATTCC  
1201 ATGACATCTG TGGACCAAAC AAGGAGCTGG ATGAAGAGAC CTGTCAGTGT GTCTGCAGAG  
1261 CGGGGCTTCG GCCTGCCAGC TGTGGACCCC ACAAAAGAACT AGACAGAAC TCATGCCAGT  
1321 GTGTCTGTAA AAACAAACTC TTCCCCAGCC AATGTGGGGC CAACCGAGAA TTTGATGAAA  
1381 ACACATGCCA GTGTGTATGT AAAAGAACCT GCCCCAGAAA TCAACCCCTA AATCCTGGAA  
1441 AATGTGCCCTG TGAATGTACA GAAAGTCCAC AGAAATGCTT GTTAAAAGGA AAGAAGTTCC  
1501 ACCACCAAAAC ATGCAGCTGT TACAGACGGC CATGTACGAA CCGCCAGAAC GCTTGTGAGC  
1561 CAGGATTTTC ATATAGTGAA GAAGTGTGTC GTTGTGTCCC TTCATATTGG AAAAGACCAC  
1621 AAATGAGCTA AGATTGTACT GTTTTCCAGT TCATCGATT TCTATTATGG AAAACTGTGT  
1681 TGCCACAGTA GAACTGTCTG TGAACAGAGA GACCCTTGTG GGTCCATGCT AACAAAGACA  
1741 AAAGTCTGTG TTTCTGAAC CATGTGGATA ACTTTACAGA AATGGACTGG AGCTCATCTG  
1801 CAAAAGGCCT CTTGTAAAGA CTGGTTTCT GCCAATGACC AAACAGCCAA GATTTCTC  
1861 TTGTGATTTT TTTAAAAGAA TGACTATATA ATTATATTCC ACTAAAAATA TTGTTCTGC  
1921 ATTCACTTTT ATAGCAACAA CAATTGGTAA AACTCACTGT GATCAATATT TTTATATCAT  
1981 GCAAAATATG TTTAAAATAA AATGAAAATT GTATT

FIGURE 3A

MHLLGFFSVACSLLAALLPGPREAPAAAAFESGLDLSDAEPAGEATAYASKDLEQLRSVSSVDELM  
TVLYPEYWKMYKQLRKGGWQHNREQANLNSRTEETIKFAAHYNTIELKSIDNEWRKTQCMPREVCIDV  
GKEFGVATNTFFKPPCVSYRCGGCCNSEGLQCMNTSTS YLSKTLFEITVPLSQGPKPVTISFANHTSCR  
CMSKLDVYRQVHSIIRRSLPATLPQCQAANKTCPNTNMWNHHICRCLAQEDFMSSDAGDDSTDGFHDIC  
GPNKELDEETCQCVCRAGLRPASCAGPHKELDRNSQCVCNKLFPSQCGANREFDENTCQCVCKRTCPRN  
QPLNPGKCACECTESPQKCLLKGGKFHHQTCSCYRRPCTNRQKACEPGFSYSEEVCRCVPSYWKRQMS

FIGURE 3B